

~~CONFIDENTIAL~~COCOM Document No. 3413.05/7

Date: October 8, 1959

MEMORANDUM FROM THE UNITED STATES DELEGATIONconcerningREDEFINITION OF ITEM 1305 - ROLLING MILLS

The United States Delegation presents below a clarification and modification of its previous proposal to redefine Item 1305 - Rolling Mills, (COCOM Documents 3413.05/3 and 4). This proposal is the result of technical discussions held during recent days between the United States Delegation and its technical advisors with representatives of other Member Governments both in capitals of some member countries and in Paris. The changes represent an earnest effort on the part of the United States Delegation and its technical advisors to reflect the valid points of criticism which have been specifically made during such discussions. It is hoped that the proposed redefinition will meet the concern of member countries as to content, clarity and implementation.

Redefinition

Metal rolling mills, the following:

A. Sheet or strip mills 1/, as follows:

1. having the work rolls supported by multiple back-up rolls or bearings;
2. having automatic work roll adjustment controls for tapering or contouring along the length of the sheet or strip;
3. more than 3-high, n.e.s. 2/, having any of the following characteristics:
  - (i) hot mills with closed loop electronic gauge controls;
  - (ii) cold mills with closed loop electronic gauge controls of a kind and/or quality not incorporated into any operating cold mill (regardless of type, size, etc.) prior to January 1, 1956;
  - (iii) having work roll contour control achieved by concurrent deforming of back-up rolls, back-up shafts or work rolls of a kind and/or quality not incorporated into operating mills of the same type and size prior to January 1, 1956;
  - (iv) possessing work rolls having a ratio of roll face length to roll diameter which exceeds 5:1 (except mills specially designed for rolling of aluminum foil) of a kind and/or quality not incorporated into operating mills of the same type and size prior to January 1, 1956;

~~CONFIDENTIAL~~

- 2 -

COCOM Document No. 3413.05/7

- (v) hot mills incorporating control tensiometers (devices which both measure and maintain appropriate adjustment of the tension placed on the metal by rolling);
- (vi) cold mills incorporating control tensiometers of a kind and/or quality not incorporated into any cold mill operating before January 1, 1956;
- (vii) hot mills designed to achieve a lessening of the longitudinal temperature differential (front to back) of the metal being rolled or incorporating devices and/or techniques which achieve the above result by heating and/or cooling of the metal which were not incorporated into any operating hot mill prior to January 1, 1956.

B. Designed for the rolling of metals and alloys with a melting point exceeding 1900°C. (such as molybdenum, niobium, tantalum, tungsten, etc., and their based alloys);

C. Specialized controls, parts and accessories for the above mills.

- 
- 1/ The term "sheet and strip mills" is understood to cover mills for the rolling of plate, sheet, strip, foil and any equivalent product.
  - 2/ It is agreed that this definition, despite its wording is not intended at this time to cover any mill having multiple work rolls rotating in a planetary form round the back-up rolls.

(NOTE: It is understood that as other techniques or developments which are addressed to achieving improvements in the flat rolled products of the type intended by the characteristics set forth in A. 3 above come to the attention of member governments, those governments will report such developments to the Committee for its further attention in relation to this part of the definition.)

~~CONFIDENTIAL~~